CLAIMS:

1.   Audio reproducing device comprising an input for receiving an k-channel input signal, an output for supplying an l-channel output signal to l loudspeakers, an audio processing unit for processing the input signal, which audio processing unit comprises enhancing means for enhancing a m-channel signal part of the k-channel input signal, whereby $m \leq n$ and the enhancing means have a preferably monotone transfer function.

2.   Audio reproducing device according to claim 1 characterized in that the enhancing means comprise a non-linear device with a monotone transfer function, which is anti-symmetrical.

3.   Audio reproducing device according to claim 1 characterized in that the transfer function is tanh(x).

4.   Method of reproducing an audio signal comprising a step of processing a received input signal, supplying separated signal parts, processing a signal part where by the processing has a transfer function with a monotone decreasing slope.

5.   Method as claimed in claim 1 characterized in that the transfer function is tanh(x).